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<141> 2005-01-21
<150> PCT/GB2003/003273
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<150> GB 0217033.0
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Tyr Ser

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cgctcacaga ttcaggact tgggtgaaga aaacttcaag gcttggtct tgatcgctt 180
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caccttgtt ggtgataagt tggactgtgt tgcttaccc agagaaaccc acggtaaat 360
ggctgactgt tggctcaag aagaaccaga aagaaacgaa tggtttgc aacacaaggaa 420
cgacaaccca aacttgc当地 gattggtag ccacgacaac gaagaaacct tcttgaagaa 480
atacttctac gctccagaat tggtttctt tgacttgc当地 aacagatgt gactgcttt 540
atgttgtcaa gctgctgata aggctgctt cgttgc当地 aagttggatg aattgagaga 600
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1865

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ccatttcaag atcacgtcaa gttggtcaac gaagttaccg aattcgctaa gacttggtt 180
gctgacgaat ctgctgaaaa ctgtgacaaag tccttgcaca ctttgc当地 tgataagtt 240
tgtactgtt ctacccgtt agaaaacccat ggtgaaatgg ctgactgtt tgctaaatgtt 300
gaaccagaaa gaaacgaatg tttcttgc当地 cacaaggacg acaacccaaa cttgccaaga 360
ttggtagac cagaagtttgc cgtcatgtt actgcttcc acgacaacga agaaaccttc 420
ttgaagaatg acttgc当地 aattgttgc当地 agacaccat acttctacgc tccagaattt 480
ttgttgc当地 ctaagatgttca caaggctgtt ttcaccgaat gtttcaatgtt tgctgataatgtt 540
gctgcttgc当地 tggatgttca gttggatgtt cttggagacg aaggttggatgtt ttcttccgtt 600
aagcaaaatgtt tggatgttca gtttcaatgtt aagttccgtt aaggttggatgtt caaggcttgg 660
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gttactgttactt gactaaggttca tcacactgtt tggatgttca gtttcaatgtt tgacttggatgtt 780
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gaagatcacg	tcaagttgtt	caaca	acc	acc	acc	240
gaatctgctg	aaaactgtga	caagt	cac	cac	cac	300
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gaaagaaaacg	aatgttctt	gcaaca	gacg	gacg	gacg	420
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ttcgctaaga	gatacaaggc	tgctt	aatgtt	cttgc	tttgc	600
tgttgttgc	caaagtgtt	gttgt	gatc	agg	cgct	660
agattgaagt	gtgttccctt	gcaaa	ggtaa	tttca	ttgg	720
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ccaaaggct	ctaagg	gg	gg	tttgc	tttgc	1740
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gaaaatttca	aaggcttgg	gttgatt	tttgctc	atcttcagca	gtgtccattt	180
gaagatcatg	aaaatttgc	aatgaa	actgttt	caaaaacatg	tgttgcgtat	240
gagtca	aaaattgt	caaaat	gtcatggat	atttcgtc	tttcgtt	300

gttcaactc	ttcgtgaaac	ctatggtaa	atggctgact	gctgtgcaaa	acaagaacct	360
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tgcacagaat	ccttgggtgaa	caggcgacca	tgcttttcag	ctctggaaagt	cgatgaaaca	1560
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tctgagaagg	agagacaaat	caagaaacaa	actgcacttgc	tttagctcg	gaaacacaag	1680
cccaaggca	caaagagaca	actgaaagct	gttatggatg	atttcgccgc	ttttgttagag	1740
aagtgtgc	aggctgacga	taaggagacc	tgctttgccc	aggagggtaa	aaaacttgg	1800
gctgcaagtc	aagctgcctt	aggctta				1827

<210> 23
 <211> 47
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide leader sequence

<400> 23
 ctaaagagaa aaagaatgga gacgatgaat acccacttca tctttgc

47

<210> 24
 <211> 72
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide leader sequence

<400> 24
 atgaagtggg tattcatcgt ctccattttt tttcttttta gctcggttta ttccaggagc

60

ttggataaaa ga

72

<210> 25
 <211> 1827
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide leader sequence and mature human albumin coding region

<400> 25
 atgaagtggg tattcatcgt ctccattttt tttcttttta gctcggttta ttccaggagc

60

ttggataaaa gagatgcaca caagagttag gttgctcatc ggtttaaaga ttgggagaa

120

gaaaatttca aagccttggt gttgatttgc tttgctcagt atcttcagca gtgtccattt

180

gaagatcatg taaaatttagt gaatgaagta actgaatttgc caaaaacatg ttttgctgtat

240

gagtcagctg aaaattgtga caaatcactt catacccttt ttggagacaa attatgcaca

300

gttgcaactc ttgcgtgaaac ctatggtaa atggctgact gctgtgcaaa acaagaacct

360

gagagaaaatg aatgcttctt gcaacacaaa gatgacaacc caaacctccc ccgattggtg

420

agaccagagg ttgatgtgat gtgactgct tttcatgaca atgaagagac attttgaaa

480

aaatacttat atgaaattgc cagaagacat ctttactttt atgccccgga actccttttc

540

tttgctaaaa	ggtataaaagc	tgctttaca	gaatgttgc	aagctgctga	taaagctgcc	600
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tgcacacaaat	ccttggtaa	caggcgacca	tgcttttcag	ctctggaaagt	cgatgaaaca	1560
tacgttccca	aagagtttaa	tgctgaaaca	ttcaccttcc	atgcagatat	atgcacactt	1620
tctgagaagg	agagacaaat	caagaaacaa	actgcacttg	tttagctcg	gaaacacaag	1680
cccaaggcaa	caaaagagca	actgaaagct	gttatggatg	atttcgcagc	ttttgttagag	1740
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gctgcaagtc	aagctgcctt	aggctta				1827

<210> 26
 <211> 1827
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide plasmid sequence

<400> 26						
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ttggataaga	gagacgctca	caagtcgaa	gtcgctcaca	gattcaagga	cttgggtgaa	120
gaaaacttca	aggctttgtt	cttgatcgct	ttcgctcaat	acttgcacaa	atgtccattc	180
gaagatcacg	tcaagttgtt	caacgaagtt	accgaattcg	ctaagacttg	tgttgcgtac	240
gaatctgctg	aaaactgtga	caagtcctt	cacaccttgt	tcgggtataa	gttgggtact	300
gttgctacct	ttagagaaaac	ctacggtgg	atggctgact	gttgtgctaa	gcaagaacca	360
gaaagaaaacg	aatgtttctt	gcaacacaaag	gacgacaacc	caaacttgcc	aagattgggt	420
agaccagaag	tgacgtcat	gtgtactgct	ttccacgaca	acgaagaaac	cttcttgaag	480
aagtacttgt	acgaaaattgc	tagaagacac	ccatacttct	acgctccaga	attgttggtc	540
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tccgaaaaagg	aaagacaaat	taagaagcaa	actgttttgg	ttgaatttgg	caagcacaag	1680
ccaaaggcta	ctaaggaaca	attgaaggct	gtcatggatg	atttcgc	tttcgttga	1740
aagtgttgc	aggctgatga	taagaaaact	tgtttcgctg	aagaaggtaa	gaagtggc	1800
gctgcttccc	aagctgcctt	gggtttg				1827

<210> 27
 <211> 72
 <212> DNA
 <213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide leader sequence

<400> 27
atgaagtggg ttttcatcgt ctccatggg ttcttggctt cctctgctta ctcttagatct 60
ttggataaga ga 72

<210> 28
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide secretion pre-sequence

<400> 28
Met Lys Trp Val Val Ser Ser Ser Ala Tyr Ser
1 5 10

<210> 29
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide leader sequence

<220>
<221> MISC_FEATURE
<222> 1
<223> CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221> MISC_FEATURE
<222> 2
<223> CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<220>
<221> MISC_FEATURE
<222> 3
<223> CAN BE EITHER Leu OR Val OR Ala OR Met

<220>
<221> MISC_FEATURE
<222> 5
<223> CAN BE EITHER Ile OR Val OR Ala OR Met

<400> 29
Xaa Xaa Xaa Thr Xaa
1 5

<210> 30
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<400> 30
Leu Phe Leu Phe Ser Ser Ala Tyr Ser Arg Gly Val Phe Arg Arg
1 5 10 15

<210> 31
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<220>
<221> MISC_FEATURE
<222> 5
<223> any amino acid PREFERABLY Phe

<220>
<221> MISC_FEATURE
<222> 6
<223> any amino acid PREFERABLY Ile

<220>
<221> MISC_FEATURE
<222> 7
<223> any amino acid PREFERABLY Val

<220>
<221> MISC_FEATURE
<222> 8
<223> any amino acid PREFERABLY Ser or Thr

<220>
<221> MISC_FEATURE
<222> 9
<223> any amino acid PREFERABLY Ile

<400> 31
Met Lys Trp Val Xaa Xaa Xaa Xaa Xaa Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Arg Gly Val Phe Arg Arg
20

<210> 32
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-pro sequence

<400> 32
Met Lys Trp Val Phe Ile Val Ser Ile Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Arg Ser Leu Asp Lys Arg
20

<210> 33
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<220>
<221> MISC_FEATURE
<222> 2
<223> CAN BE EITHER Lys OR Arg OR His

<220>
<221> MISC_FEATURE
<222> 3
<223> CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221> MISC_FEATURE
<222> 4
<223> CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<400> 33
Met Xaa Xaa Xaa
1

<210> 34
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide leader Sequence

<400> 34
ttcatcgatccatt 15

<210> 35
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 35
gcatgcggcc gcccgtatcgatcgaaagcg 36

<210> 36
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 36
gcataagctt acccacttca tctttgcttg ttttag 35

<210> 37
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide linker

<400> 37
tttaggcttat a 11

<210> 38
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide linker

<400> 38
ccgaatattc ga 12

<210> 39
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide primer
 <400> 39
 gttagaattt gttttttat tggcgatgaa 40
 <210> 40
 <211> 1865
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> S. cerevisiae 5'UTR and synthetic oligonucleotide leader sequence and mature human albumin CDS
 <400> 40
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 cttgttctcc tctgcttact ctagatctt ggataagaga gacgctcaca agtccgaagt 120
 cgctcacaga ttcaaggact tgggtgaaga aaacttcaag gctttggctc tgatcgctt 180
 cgctcaatac ttgcaacaat gtccattcga agatcacgtc aagttggctc acgaagttac 240
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 caccttgttc ggtgataagt tggactgt tgcttacccg agagaaaccc acggtaaat 360
 ggctgactgt tggcttaagc aagaaccaga aagaaacgaa tgggttcttgc aacacaagga 420
 cgacaacccaa aacttgccaa gattggtagt accagaagtt gacgtcatgt gtactgctt 480
 ccacgacaac aagaaacccat tcttgaagaa gtacttgcg gaaattgtca gaagacaccc 540
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 ccaagactct atctcttccaa agtttgcgttgc atgggttgcg aagccattgtt tggaaaagtc 960
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